

REQUEST FOR RETURN OF COPYRIGHT DEPOSITS

Dated at Washington D.C.

February 25, 1922, 19

Register of Copyrights,  
Library of Congress,  
Washington, D. C.

FEB 25 '22

Dear Sir:

The undersigned claimant of copyright in the work herein named,  
deposited in the Copyright Office and duly registered for copyright pro-  
tection, requests the return to him under the provisions of sections 59 and  
60 of the Act of March 4, 1909, of one or both of the deposited copies of the  
Ford Educational Library Release #13 entitled "IRON AND STEEL"  
( 2 Prints) 1 Reel

deposited in the Copyright Office on ©CIM 2118 and registered  
under Class, XXc., No.

If this request can be granted you are asked and authorized to send  
the said copy or copies to me at the following address:  
Ford Motor Company #451 Pennsylvania Ave N.W., Washington D.C.

to or  
at

Received above 2 prints

Ford Motor Co

July, 1922 - 500  
Wash Branch

Signed

Ford Motor Company

Walter Clerk (Claimant of Copyright)  
Washington Branch

OK.D.F.T.

FEB 27 1922

2 Copies Returned

FEB 27 1922

Delivered in person

## "IRON AND STEEL"

## MAIN TITLE

Produced and Distributed by Ford Motion Picture  
Laboratories  
Copyrighted 1922 by Ford Motor Company.

FEB 25 '22

## SUB-TITLES.

1. This is the Age of Steel. Our comfort and happiness depend upon a multitude of steel tools and machines. Steel is the blood and life of the nation.
2. Steel is obtained from iron ore which is widely distributed in Earth's crust. The largest deposits are in the U. S. A.
3. A Lake Superior Iron ore mine.
4. Ore goes to great steel centers in 600-foot steel boats. Loads of 10,000 tons are placed in boats in 60 minutes at Lake Superior docks.
5. It is 1000 miles to Lake Erie ports. Ore is carried this distance for \$1.00 per ton.
6. The great ore cargo is unloaded by gigantic machinery. Millions of tons are piled on decks or into waiting cars. Ashtabula, Cleveland, Erie, Conneaut and Buffalo are ore ports.
7. Iron ore is smelted by the intense heat of burning coke in a blast furnace. Limestone removes the impurities in the form of slag. Note the high furnace, the tipples, the tuyeres or air blast pipes.
8. Vast piles of ore, coke and limestone are stored near the blast furnace.
9. Charging the furnace. Follow the bucket as it empties its ore into the furnace.
10. The slag containing impurities floats as a scum on the liquid iron. It is drawn off into a pit.
11. Tapping the furnace. Suddenly the fiery stream of liquid iron appears. The great ladles are filled.
12. Furnace opening is plugged by balls of clay. The "Mudgun" pushes the clay into the opening.
13. The molten iron is poured into small molds for the pig iron machine. Each mold is protected by a crust of lime. The iron hardens into a bar of pig iron.
14. Pig Iron is changed into steel by remelting in an open hearth furnace.
15. Eighty tons of molten steel fill this ladle.
16. Casting Steel into huge billets or ingots.
17. Train loads of ingots on the way to heating pits to be prepared for rolling mill.
18. The immense steel fingers transfer the ingot from the pit to the conveyor. The white hot ingot goes on to the bloom mill.
19. Powerful and heavy rollers in the bloom mill roll the steel ingot into a rod. Could man hammer the steel into shape?



(Iron & Steel - Sheet #2)

20. Heavy bars are rolled out to thin rods.
21. White hot rods are then drawn into desired sizes.
22. Steel centers of the United States. Note their locations in reference to iron miles, Great Lakes and coal.

(THE END)

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